

22212 U.S. P.  
10/627107  
07/22/03

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>  <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket No.	LEW 17,093-2
	First Inventor	Nathal
	Title	NiAl-Based Approach For Rocket Engine Combustion Chambers
	Express Mail Label No.	ER 238528662 US

<b>APPLICATION ELEMENTS</b> <i>See MPEP chapter 600 concerning utility patent application contents.</i>	<b>ADDRESS TO:</b> Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. 3. <input checked="" type="checkbox"/> Specification [Total Pages <u>15</u> ] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the invention - Brief Summary of the invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <u>1</u> ] 5. Oath or Declaration [Total Sheets <u>2</u> ] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	
7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Reader Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies	
<b>ACCOMPANYING APPLICATION PARTS</b> 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of (when there is an assignee) Attorney 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input checked="" type="checkbox"/> Information Disclosure <input checked="" type="checkbox"/> Copies of IDS Statement (IDS)/PTO-1449 Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. <input checked="" type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other:	

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No.: 10/105,110

Prior application information: Examiner John Zimmerman Art Unit: 607 1775  
 For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

☐ Customer Number:  OR ☐ Correspondence address below

Name			
Address	26311		
City	PATENT TRADEMARK OFFICE	State	Zip Code
Country	Telephone	Fax	

Name (Print/Type)	<u>Kent N. Stone</u>	Registration No. (Attorney/Agent)	<u>31,883</u>
Signature	<u>Kent N. Stone</u>	Date	<u>7/22/2003</u>

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents  
 If you need assistance in completing the form

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 No. ER 238528662 US on this  
22 day of July, 2003.

Kent N. Stone  
 Kent N. Stone

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL**  
**for FY 2003**

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)**834****Complete if Known**

Application Number

Filing Date

First Named Inventor

**Nathal**

Examiner Name

**John S. Zimmerman**

Art Unit

**1775**

Attorney Docket No.

**LEW 17,093-2****METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name**14-0116****NASA**

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	<b>750</b>
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1) (\$)			

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
20	-20** = 0	X 0	= 0
4	-3** = 1	X 84	= 84
Multiple Dependent	NONE	X 0	= 0

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)		

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(g)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

**0****SUBMITTED BY**

(Complete if applicable)

Name (Print/Type)

**Kent N. Stone**Registration No.  
(Attorney/Agent)**31,883**

Telephone

**(216) 433-8855**

Signature

**Kent N. Stone**

Date

**July 23, 2003**

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information on a separate document.

This collection of information is required by 37 CFR 1.17 and 1.27. To process an application, confidentiality is governed by 35 USC 186, including gathering, preparing, and submitting the completed application the amount of time you require to complete this form and/or suggest Trademark Office, U.S. Department of Commerce, P.O. Box 1450, A

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No. **ER 238528662 45** on this  
**22** day of **July**, 2003.**Kent N. Stone**  
Kent N. Stone

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Nathal, et al

Serial No.: (Not yet assigned)

Art Unit: (not yet assigned)

Filed: (herewith)

Examiner: (not yet assigned)

Title: NiAl-Based Approach for Rocket Combustion Chambers

**TRANSMITTAL OF C-I-P APPLICATION AS RESPONSE TO OFFICE  
ACTION IN CO-PENDING APPLICATION; REQUEST TO ABANDON  
PARENT APPLICATION AFTER C-I-P IS ENTERED IN USPTO RECORDS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

Dear Commissioner:

The continuation- in -part application filed herewith is filed in response to the Office  
Action mailed on 4/25/2003 in co-pending application ser. no. 10/ 105,110.


After the Commissioner enters this continuation- in-part application and assigns it a serial  
number, applicant requests to abandon the parent application, ser. no. 10/105,110.



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No. ER 238528662 US on this 22 day of July, 2003.  
  
Kent N. Stone

<b>REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)</b>	First Named Inventor	Nathal
	Title	NiAl-Based Approach For Rocket
	Atty Docket Number	Combustion Chambers LEW 17,093-2

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

July 22, 2003  
Date

Kent N Stone  
Signature

Kent N. Stone  
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application upon filing.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office. COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant C

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22 day of July, 2003.

Kent N Stone  
Kent N. Stone

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Nathal, et al

Serial No.: (Not yet assigned)

Art Unit: (not yet assigned)

Filed: (herewith)

Examiner: (not yet assigned)

Title: NiAl-Based Approach for Rocket Combustion Chambers

**CERTIFICATE OF MAILING UNDER 37 CFR 1.10(a)**

I certify that the attached correspondence consisting of:

- Transmittal of C-I-Application as Response to Office Action in Co-Pending Application
- Application (15 pages, including 20 claims)
- Formal Drawings (1 sheet)
- NASA Form 1538- Declaration, Power of Attorney, and Petition
- PTO SB/05- Utility Patent Application Transmittal
- PTO SB/17- Fee Transmittal
- PTO SB/35- Non Publication Request
- Information Disclosure Statement, with PTO 1449 and citations
- Mailing Receipt Card

is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" under Mailing Label Number **ER 238528662 US** in an envelope addressed to the Commissioner for Patents, Mail Stop: New Application, P.O. Box 1450, Alexandria, VA 22313-1450, on July 22, 2003.



Kent N. Stone  
Attorney of Record  
Registration No. 31,883